Claims

We claim:

1. In a computer system adapted for speech recognition, a method for executing a voice command in the form of a spoken utterance, comprising the steps of:

receiving a user input corresponding to said spoken utterance;

processing said user input to identify a pattern of words forming said spoken utterance which match a pre-determined command pattern;

identifying a computer system command corresponding to said pre-determined command pattern, said computer system command having at least one parameter;

extracting said at least one parameter from a dictation portion of said voice command exclusive of said pattern of words; and

processing said computer system command to perform an event in accordance with said at least one command parameter.

2. The method according to claim 1 wherein at least one word forming said dictation portion of said voice command is embedded within said pattern of words matching said command pattern.

3. The method according to claim 1 wherein said step of identifying said computer system command is performed by using a translation rule.

1   4.   The method of claim 1 wherein said dictation portion of said voice

2   command is comprised of any set of words in a voice recognition engine

3   vocabulary.

1   5.   The method of claim 4 wherein said event includes inserting said

2   dictation portion at a specified location defined by said computer system.

1   6.   The method of claim 1 wherein a plurality of said pre-determined

2   command patterns are provided.

1   7.   The method of claim 5 wherein each of said plurality of command

2   patterns belongs to at least one pre-determined command pattern set.

1   8.   The method of claim 6 wherein a command pattern in any of said

2   sets can only be matched when said set is in an active state.

1   9.   The method of claim 8 wherein said set is placed in an active state

2   when said computer system is in a pre-defined computer system operating

3   state.

1   10.   The method of claim 1 further comprising the step of:

2   providing recognized text to a software application if no pattern of

3   words forming said spoken utterance matches said pre-determined command

4   pattern.

1   11.   A computer speech recognition system for executing a voice

2   command in the form of a spoken utterance, comprising:

3   receiver means for receiving a user input corresponding to said spoken

4   utterance;

5   processor means for processing said user input to identify a pattern of

6   words forming said spoken utterance which match a pre-determined command

7   pattern;

8   identification means for identifying a computer system command

9   corresponding to said pre-determined command pattern, said computer system

10   command having at least one parameter;

11   means for extracting said at least one parameter from a dictation portion

12   of said voice command exclusive of said pattern of words;

13   wherein said processor means processes said computer system

14   command to perform an event in accordance with said at least one command

15   parameter.

1   12.   The system of claim 11 wherein at least one word forming said

2 dictation portion of said voice command is embedded within said pattern of

3 words matching said command pattern.

1   13.   The system of claim 11 wherein said identification means uses a

2 translation rule to identify said computer system command.

1   14.   The system of claim 11 wherein said dictation portion of said

2 voice command is comprised of any set of words in a voice recognition engine

3 vocabulary.

1   15.   The system of claim 14 further comprising an insertion means,

2 wherein said event includes said insertion means inserting said dictation portion

3 of said voice command at a specified location defined by said computer

4 system.

1   16.   The system of claim 11 wherein a plurality of said pre-determined

2 command patterns are provided.

1   17.   The system of claim 16 wherein each of said plurality of command

2 patterns belongs to at least one pre-determined command pattern set.

1   18.   The system of claim 17 wherein a command pattern in any of said

2   sets can only be matched when said set is in an active state.

1   19.   The system of claim 18 wherein said set is placed in an active state

2   when said computer system is in a pre-defined system operating state.

1   20.   The system of claim 11 wherein said processor means provides

2   recognized text to a software application if no pattern of words forming said

3   spoken utterance matches said pre-determined command pattern.

21.   A machine readable storage, having stored thereon a computer

program having a plurality of code sections executable by a machine for

causing the machine to perform the steps of:

receiving a user input corresponding to a voice command in the form of a

spoken utterance;

processing said user input to identify a pattern of words forming said

7   spoken utterance which match a pre-determined command pattern;

8   identifying a computer system command corresponding to said pre-

9   determined command pattern, said computer system command having at least

10   one parameter;

11   extracting said at least one parameter from a dictation portion of said

12   voice command exclusive of said pattern of words; and

13   processing said computer system command to perform an event in

14 accordance with said at least one command parameter.